

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:



Listing of Claims:

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (previously presented) A bent axis hydrostatic unit, a frame, two yokes pivotally mounted on the frame, hydrostatic units on each yoke each connects to output shafts on the frame, and servo pistons fluidly control the positions of each yoke, and wherein a control system including a single piece housing controls a flow of fluid to the servo pistons to determine the orientation of the yokes and a flow of fluid to the cylinder blocks, and rotational power supplied to the shafts by the cylinder blocks.
5. (previously presented) The hydrostatic unit of claim 4 wherein a fluid manifold to serve as a conduit for high pressure fluid between the cylinder blocks and which contains fluid valving for the hydrostatic unit is rigidly directly secured in close intimate proximity to the housing of the control system, the manifold being stiff and rigid and comprising a main

structural element of the hydrostatic unit, with the close intimate proximity between the manifold and the control housing allowing simplified exchange of fluid through common fluid ports therebetween.

6. (previously presented) The hydrostatic unit of claim 4 wherein a single piece fluid control porting plate is secured to the hydrostatic unit and single piece control housing to act as a manifold to route hydraulic fluid to multiple locations within the single piece control housing and to servo valves therein.

7. (previously presented) The hydrostatic unit of claim 6 wherein the porting plate is directly connected to the single one-piece control housing.

8. (cancelled)

9. (currently amended) A hydrostatic module, comprising:
a frame;
a pair of spaced shafts rotatably supported by the frame and directed outwardly from the frame;
two yokes pivotally mounted on the frame to pivot with respect to the frame in intersecting paths, wherein each yoke has outer surface including a side wall and an end wall;
a hydrostatic power unit carried by each yoke, and each hydrostatic power unit being operatively connected to one of the shafts to rotate the same;
a control system for pivoting the yokes;
wherein the yokes each have complimentary surfaces to each other, wherein at least one of the complimentary surfaces is a contoured portion on at least one of the yokes outer

surface that permits the end wall of one yoke to be positioned in closely spaced relation to the side wall of the other yoke without the two yokes contacting one another; and

wherein the yokes contain integrated fluid passages, wherein a contour rib on the frame is contoured to mate with the side wall of the yoke containing the contour portion.

10. (original) The hydromodule of claim 9, wherein the hydrostatic power units are bent axis hydrostatic units.

11. (original) The hydrostatic module of claim 9, wherein the yokes are of single piece construction.

12. (cancelled)

13. (original) The hydrostatic module of claim 9, wherein the yoke containing the contour portion has a yoke centerline that pivots counter clockwise through an angle theta relative to a shaft centerline of that yoke, the other yoke has a yoke centerline that pivots clockwise through an angle alpha relative to a shaft centerline of that yoke, and the angle of the contour portion on the end wall of the yoke is equal to theta plus alpha relative to the centerline of the yoke containing the contour portion.

14. (cancelled)

15. (currently amended) The hydrostatic module of claim 9, wherein the yoke containing the contour portion has a yoke centerline that pivots counter clockwise through an angle theta relative to a shaft centerline of that yoke, the other yoke has

a yoke centerline that pivots clockwise through an angle alpha relative to a shaft centerline of that yoke, and the angle of the contour rib mating with the side wall is equal to 90 degrees minus theta relative to a surface of the frame perpendicular to the shaft centerline.

16. (original) The hydrostatic module of claim 9, wherein stops are provided on the frame and on the yokes to limit the maximum rotation of each direction away or towards each other as the yokes assume positions within the parameters.

17. (original) The hydrostatic module of claim 9, wherein the control system includes a single piece control housing containing servo pistons, the servo pistons adapted to independently establish the orientation of the yokes, and thus the rotational power supplied to the shafts.

18. (original) The hydrostatic module of claim 9, further comprising a fluid manifold to serve as a conduit for high pressure fluid between the hydrostatic power units and which contains fluid valving rigidly and directly secured in close intimate proximity to the control housing, the manifold being stiff and rigid and comprising a main structural element of the hydrostatic module, with the close intimate proximity between the manifold and the control housing allowing simplified exchange of fluid through common fluid ports therebetween.

19. (original) The hydrostatic module of claim 9, further comprising a single piece fluid control porting plate secured to the control housing to route hydraulic fluid to multiple

locations within the control housing and to servo valves therein.

20. (currently amended) A hydrostatic module, comprising:
a frame;
a pair of spaced shafts rotatably supported by the frame and directed outwardly from the frame;
two yokes pivotally mounted on the frame to pivot with respect to the frame in intersecting paths;
a hydrostatic power unit carried by each yoke, and each hydrostatic power unit being operatively connected to one of the shafts to rotate the same;
a control system for pivoting the yokes; and
stop means on the yokes and on the frame to limit the pivotal movement of the yokes wherein the stops are provided on the frame and the yokes to limit the maximum rotation of each direction away or towards each other as the yokes assume positions within the parameters.

21. (original) The hydromodule of claim 20, wherein the hydrostatic power units are bent axis hydrostatic units.

22. (original) The hydrostatic module of claim 20, wherein the yokes are of single piece construction.

23. (original) The hydrostatic module of claim 20, wherein the yokes contain integrated fluid passages.

24. (previously presented) The hydrostatic module of claim 20, wherein the yokes define a neutral position for the cylinder blocks and the shafts when in predetermined positions of pivotal

movement, and wherein the stops permit the yokes to be pivoted within the following parameters with "plus" meaning a clockwise direction from a neutral position, and "minus" meaning a counterclockwise direction from a neutral position: one yoke minus 45° and second yoke minus 15°; one yoke plus 45° and second yoke minus 15°; one yoke plus 45° and second yoke plus 15°; one yoke plus 45° and second yoke plus 45°; one yoke minus 45° and second yoke minus 45°; and one yoke minus 45° and one yoke plus 15°.

25. (cancelled)

26. (original) The hydrostatic module of claim 20, wherein the control system includes a single piece control housing containing servo pistons, the servo pistons adapted to independently establish the orientation of the yokes, and thus the rotational power supplied to the shafts.

27. (original) The hydrostatic module of claim 20, further comprising a fluid manifold to serve as a conduit for high pressure fluid between the hydrostatic power units and which contains fluid valving rigidly and directly secured in close intimate proximity to the control housing, the manifold being stiff and rigid and comprising a main structural element of the hydrostatic module, with the close intimate proximity between the manifold and the control housing allowing simplified exchange of fluid through common fluid ports therebetween.

28. (original) The hydrostatic module of claim 20, further comprising a single piece fluid control porting plate secured to the control housing to route hydraulic fluid to multiple

locations within the control housing and to servo valves therein.

29. (previously presented) A hydrostatic module, comprising:
a frame;
a pair of spaced shafts rotatably supported by the frame and directed outwardly from the frame;
two yokes pivotally mounted on the frame to pivot with respect to the frame in intersecting paths;
a hydrostatic power unit carried by each yoke, and each hydrostatic power unit being operatively connected to one of the shafts to rotate the same; and
a control system for pivoting the yokes, wherein the control system includes a single piece control housing containing servo pistons, the servo pistons adapted to independently determine the orientation of the yokes, and thus the rotational power supplied to the shafts.

30. (previously presented) The hydrostatic module of claim 29 wherein a fluid manifold to serve as a conduit for high pressure fluid between the hydrostatic power units and which contains fluid valving rigidly and directly secured in close intimate proximity to the control housing, the manifold being stiff and rigid and comprising a main structural element of the hydrostatic module, with the close intimate proximity between the manifold and the control housing allowing simplified exchange of fluid through common fluid ports therebetween.

31. (previously presented) The hydrostatic module of claim 29, wherein a single piece fluid control porting plate is secured to the control housing to route hydraulic fluid to multiple

locations within the control housing and to servo valves therein.

32. (previously presented) The hydrostatic module of claim 31, wherein the porting plate is directly connected to the single one-piece control housing.

33. (previously presented) A hydrostatic module, comprising:
a frame;
a pair of spaced shafts rotatably supported by the frame and directed outwardly from the frame;
two yokes pivotally mounted on the frame to pivot with respect to the frame in intersecting paths;
a hydrostatic power unit carried by each yoke, and each hydrostatic power unit being operatively connected to one of the shafts to rotate the same;
a control system for pivoting the yokes, wherein the control system includes a control housing containing servo pistons, the servo pistons adapted to determine the orientation of the yokes, and thus the rotational power supplied to the shafts;
a fluid manifold to serve as a conduit for high pressure fluid between the hydrostatic power units and which contains fluid valving rigidly and directly secured in close intimate proximity to the control housing, the manifold being stiff and rigid and comprising a main structural element of the hydrostatic module, with the close intimate proximity between the manifold and the control housing allowing simplified exchange of fluid through common fluid ports therebetween; and

wherein a single piece fluid control porting plate is secured to the control housing to route hydraulic fluid to multiple locations within the control housing and to servo valves therein.

34. (cancelled)

35. (previously presented) A hydrostatic module, comprising:
a frame;
a pair of spaced shafts rotatably supported by the frame and directed outwardly from the frame;
two yokes pivotally mounted on the frame to pivot with respect to the frame in intersecting paths;
a hydrostatic power unit carried by each yoke, and each hydrostatic power unit being operatively connected to one of the shafts to rotate the same;
a control system for pivoting the yokes, wherein the control system includes a control housing containing servo pistons, the servo pistons adapted to determine the orientation of the yokes, and thus the rotational power supplied to the shafts; and
a single piece fluid control porting plate secured to the control housing to route hydraulic fluid to multiple locations within the control housing and to servo valves therein.